

COC#118

1720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 (425) 420-9210
(509) 924-9200 (509) 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M106082

CLIENT: BRISTOL		INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around; font-weight: bold;"> 10754321<1 </div> STD. Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around; font-weight: bold;"> 54321<1 </div> STD. OTHER Please Specify _____ <small>*Turnaround Requests less than standard may incur Rush Charges.</small>							
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090																	
ADDRESS: AMCHITKA ISLAND, AK		<div style="display: flex; justify-content: space-between;"> <div> PROJECT NAME: AMCHITKA PROJECT NUMBER: 21090 SAMPLED BY: Anne & Charlie </div> <div style="text-align: center;"> REQUESTED ANALYSES </div> </div>																	
PHONE: 907-770-0974 FAX: 770-0975																			
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRO	BTEX w/ Napk											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID		
1. 01AMB609SL	6.26.01 1545	✓	✓											S	2				
2. 01AMB610SL	6.26.01 1550	✓	✓											S	2				
3. 01AMB611SL	6.26.01 1555	✓	✓											S	2				
4. 01AMB612SL	6.26.01 1620	✓	✓											S	2				
5. 01AMB613SL	6.26.01 1605	✓	✓											S	2				
6. 01AMB614SL	6.26.01 1610	✓	✓											S	2				
7. 01AMB615SL	6.26.01 1615	✓	✓											S	2				
8. 01AMB616SL	6.26.01 1620	✓	✓											S	2				
9. 01AMB617SL	6.26.01 1625	✓	✓											S	2				
10. 01AMB618SL	6.26.01 1630	✓	✓											S	2				
11. 01AMB619SL	6.26.01 1635	✓	✓											S	2				
12. 01AMB620SL	6.26.01 1640	✓	✓											S	2				
13. 01AMB621SL	6.26.01 1645	✓	✓											S	2				
14. 01AMB622SL	6.26.01 1650	✓	✓											S	2				
15. 01AMB623SL	6.26.01 1055	✓	✓											S	2				
RELINQUISHED BY: Anne Kranawetter		DATE: 6/26/01										RECEIVED BY: Craig Bradle				DATE: 6/26/01			
PRINT NAME: Anne Kranawetter		FIRM: BRISTOL										PRINT NAME: Craig Bradle				FIRM: NCA			
RELINQUISHED BY:		DATE:										RECEIVED BY:				DATE:			
PRINT NAME:		FIRM:										PRINT NAME:				FIRM:			
ADDITIONAL REMARKS: Assoc with AGT B-6 Confirmation Samples																		TEMP: 6.2°C	PAGE 1 OF 2



(425) 420-9200 FAX 420-9210
(509) 924-9200 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

Work Order #:

CLIENT: BRISTOL		INVOICE TO: BRISTOL		TURNAROUND REQUEST in Business Days*							
REPORT TO: ANNE KRANAWETTER				Organic & Inorganic Analyses							
ADDRESS: AMCHITKA ISLAND, AK				10 7 5 4 3 2 1 <1							
PHONE: 907.770.0974 FAX: 770.0975				STD. 5 4 3 2 1 <1							
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES		STD. OTHER Please Specify							
PROJECT NUMBER: 21090				*Turnaround Requests less than standard may incur Rush Charges.							
SAMPLED BY: CRM/ARC											
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRO	BTEX-High					MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WORK ID
1. 01AMB6 24SL	6.26.01 1700	X	X					S	2		
2. 01AMB6 25SL	6.26.01 1705	X	X					S	2		
3. 01AMB6 26SL	6.26.01 1710	X	X					S	2		
4. 01AMB6 27SL	6.26.01 1715	X	X					S	2		
5. 01AMB6 28SL	6.26.01 1720	X	X					S	2		
6. 01AMB6 29SL	6.26.01 1725	X	X					S	2		
7. 01AMB6 30SL	6.26.01 1730	X	X					S	2		
8. 01AMB6 31SL	6.26.01 1735	X	X					S	2		
9.											
10.											
11.											
12.											
13.											
14.											
15.											
RELINQUISHED BY: Anne Krana		DATE: 6/26/01		RECEIVED BY: Craig Bradle		DATE: 6/26/01					
PRINT NAME: Anne Krana FIRM: BRISTOL		TIME: 1755		PRINT NAME: Craig Bradle FIRM: NCA		TIME: 1755					
RELINQUISHED BY:		DATE:		RECEIVED BY:		DATE:					
PRINT NAME:		TIME:		PRINT NAME:		TIME:					
ADDITIONAL REMARKS: Assoc. with AGT B-6 Confirmation Samples											
COC REV 3/99										TEMP: 6.2°C	
										PAGE 2 OF 2	



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/26/01 17:55. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106082

M106082



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB609SL	M106082-01	Soil	06/26/01 15:45	06/26/01 17:55
01AMB610SL	M106082-02	Soil	06/26/01 15:50	06/26/01 17:55
01AMB611SL	M106082-03	Soil	06/26/01 15:55	06/26/01 17:55
01AMB612SL	M106082-04	Soil	06/26/01 16:00	06/26/01 17:55
01AMB613SL	M106082-05	Soil	06/26/01 16:05	06/26/01 17:55
01AMB614SL	M106082-06	Soil	06/26/01 16:10	06/26/01 17:55
01AMB615SL	M106082-07	Soil	06/26/01 16:15	06/26/01 17:55
01AMB616SL	M106082-08	Soil	06/26/01 16:20	06/26/01 17:55
01AMB617SL	M106082-09	Soil	06/26/01 16:25	06/26/01 17:55
01AMB618SL	M106082-10	Soil	06/26/01 16:30	06/26/01 17:55
01AMB619SL	M106082-11	Soil	06/26/01 16:35	06/26/01 17:55
01AMB620SL	M106082-12	Soil	06/26/01 16:40	06/26/01 17:55
01AMB621SL	M106082-13	Soil	06/26/01 16:45	06/26/01 17:55
01AMB622SL	M106082-14	Soil	06/26/01 16:50	06/26/01 17:55
01AMB623SL	M106082-15	Soil	06/26/01 16:55	06/26/01 17:55
01AMB624SL	M106082-16	Soil	06/26/01 17:00	06/26/01 17:55
01AMB625SL	M106082-17	Soil	06/26/01 17:05	06/26/01 17:55
01AMB626SL	M106082-18	Soil	06/26/01 17:10	06/26/01 17:55
01AMB627SL	M106082-19	Soil	06/26/01 17:15	06/26/01 17:55
01AMB628SL	M106082-20	Soil	06/26/01 17:20	06/26/01 17:55
01AMB629SL	M106082-21	Soil	06/26/01 17:25	06/26/01 17:55
01AMB630SL	M106082-22	Soil	06/26/01 17:30	06/26/01 17:55
01AMB631SL	M106082-23	Soil	06/26/01 17:35	06/26/01 17:55

C. O. C. # 118

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Environmental Laboratory Network

1 of 18



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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB609SL (M106082-01) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/27/01	0106092	
Surr: 1-Chlorooctadecane	98.3 %	50-150							
Surr: Triacotane	82.9 %	50-150							
01AMB610SL (M106082-02) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/27/01	0106092	
Surr: 1-Chlorooctadecane	101 %	50-150							
Surr: Triacotane	93.9 %	50-150							
01AMB611SL (M106082-03) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/27/01	0106092	
Surr: 1-Chlorooctadecane	96.5 %	50-150							
Surr: Triacotane	101 %	50-150							
01AMB612SL (M106082-04) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/27/01	0106092	
Surr: 1-Chlorooctadecane	90.7 %	50-150							
Surr: Triacotane	97.7 %	50-150							
01AMB613SL (M106082-05) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/27/01	0106092	
Surr: 1-Chlorooctadecane	85.3 %	50-150							
Surr: Triacotane	89.9 %	50-150							
01AMB614SL (M106082-06) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/27/01	0106092	
Surr: 1-Chlorooctadecane	88.3 %	50-150							
Surr: Triacotane	99.0 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB615SL (M106082-07) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/26/01	06/28/01	0106092	
Surr: 1-Chlorooctadecane	90.5 %	50-150							
Surr: Triacotane	93.8 %	50-150							
01AMB616SL (M106082-08) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	86.1 %	50-150							
Surr: Triacotane	93.0 %	50-150							
01AMB617SL (M106082-09) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/27/01	0106096	
Surr: 1-Chlorooctadecane	92.9 %	50-150							
Surr: Triacotane	101 %	50-150							
01AMB618SL (M106082-10) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	590	150	mg/kg dry	1	AK 102	06/27/01	06/27/01	0106096	
Surr: 1-Chlorooctadecane	102 %	50-150							
Surr: Triacotane	100 %	50-150							
01AMB619SL (M106082-11) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	86.4 %	50-150							
Surr: Triacotane	90.4 %	50-150							
01AMB620SL (M106082-12) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	92.0 %	50-150							
Surr: Triacotane	102 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

3 of 18



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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB621SL (M106082-13) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	D-09
Surr: 1-Chlorooctadecane	86.1 %	50-150							
Surr: Triacontane	106 %	50-150							
01AMB622SL (M106082-14) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	985	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	92.3 %	50-150							
Surr: Triacontane	90.6 %	50-150							
01AMB623SL (M106082-15) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	1190	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	88.9 %	50-150							
Surr: Triacontane	107 %	50-150							
01AMB624SL (M106082-16) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	85.4 %	50-150							
Surr: Triacontane	97.7 %	50-150							
01AMB625SL (M106082-17) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	D-09
Surr: 1-Chlorooctadecane	95.1 %	50-150							
Surr: Triacontane	113 %	50-150							
01AMB626SL (M106082-18) Soil					Sampled: 06/26/01 Received: 06/26/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	94.6 %	50-150							
Surr: Triacontane	100 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMB627SL (M106082-19) Soil

Sampled: 06/26/01 Received: 06/26/01

Diesel Range Organics	329	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	97.6 %	50-150							
Surr: Triacontane	126 %	50-150							

01AMB628SL (M106082-20) Soil

Sampled: 06/26/01 Received: 06/26/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	82.4 %	50-150							
Surr: Triacontane	89.5 %	50-150							

01AMB629SL (M106082-21) Soil

Sampled: 06/26/01 Received: 06/26/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	84.1 %	50-150							
Surr: Triacontane	90.0 %	50-150							

01AMB630SL (M106082-22) Soil

Sampled: 06/26/01 Received: 06/26/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	89.3 %	50-150							
Surr: Triacontane	95.1 %	50-150							

01AMB631SL (M106082-23) Soil

Sampled: 06/26/01 Received: 06/26/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/27/01	06/28/01	0106096	
Surr: 1-Chlorooctadecane	74.1 %	50-150							
Surr: Triacontane	79.3 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMB609SL (M106082-01) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0733	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106094	
Toluene	ND	0.293	"	"	"	"	"	"	
Ethylbenzene	ND	0.293	"	"	"	"	"	"	
Xylenes (total)	ND	0.586	"	"	"	"	"	"	
Naphthalene	ND	2.93	"	"	"	"	"	"	

Surr: 4-BFB 81.8 % 50-150

01AMB610SL (M106082-02) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0794	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106094	
Toluene	ND	0.317	"	"	"	"	"	"	
Ethylbenzene	ND	0.317	"	"	"	"	"	"	
Xylenes (total)	0.900	0.635	"	"	"	"	"	"	
Naphthalene	ND	3.17	"	"	"	"	"	"	

Surr: 4-BFB 91.9 % 50-150

01AMB611SL (M106082-03) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0805	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106094	
Toluene	ND	0.322	"	"	"	"	"	"	
Ethylbenzene	ND	0.322	"	"	"	"	"	"	
Xylenes (total)	ND	0.644	"	"	"	"	"	"	
Naphthalene	ND	3.22	"	"	"	"	"	"	

Surr: 4-BFB 86.3 % 50-150

01AMB612SL (M106082-04) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0844	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.338	"	"	"	"	"	"	
Ethylbenzene	ND	0.338	"	"	"	"	"	"	
Xylenes (total)	ND	0.675	"	"	"	"	"	"	
Naphthalene	ND	3.38	"	"	"	"	"	"	

Surr: 4-BFB 87.9 % 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMB613SL (M106082-05) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0694	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.278	"	"	"	"	"	"	
Ethylbenzene	ND	0.278	"	"	"	"	"	"	
Xylenes (total)	ND	0.555	"	"	"	"	"	"	
Naphthalene	ND	2.78	"	"	"	"	"	"	

Surr: 4-BFB 89.3 % 50-150

01AMB614SL (M106082-06) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0711	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.284	"	"	"	"	"	"	
Ethylbenzene	ND	0.284	"	"	"	"	"	"	
Xylenes (total)	ND	0.569	"	"	"	"	"	"	
Naphthalene	ND	2.84	"	"	"	"	"	"	

Surr: 4-BFB 88.4 % 50-150

01AMB615SL (M106082-07) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0646	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.258	"	"	"	"	"	"	
Ethylbenzene	ND	0.258	"	"	"	"	"	"	
Xylenes (total)	ND	0.517	"	"	"	"	"	"	
Naphthalene	ND	2.58	"	"	"	"	"	"	

Surr: 4-BFB 86.1 % 50-150

01AMB616SL (M106082-08) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0701	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.280	"	"	"	"	"	"	
Ethylbenzene	ND	0.280	"	"	"	"	"	"	
Xylenes (total)	ND	0.561	"	"	"	"	"	"	
Naphthalene	ND	2.80	"	"	"	"	"	"	

Surr: 4-BFB 89.5 % 50-150

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509.924.9200 fax 509.924.9290
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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB617SL (M106082-09) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0690	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.276	"	"	"	"	"	"	
Ethylbenzene	ND	0.276	"	"	"	"	"	"	
Xylenes (total)	0.567	0.552	"	"	"	"	"	"	A-02
Naphthalene	ND	2.76	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	89.7 %	50-150							
01AMB618SL (M106082-10) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0363	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.145	"	"	"	"	"	"	
Ethylbenzene	ND	0.145	"	"	"	"	"	"	
Xylenes (total)	ND	0.291	"	"	"	"	"	"	
Naphthalene	ND	1.45	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	88.3 %	50-150							
01AMB619SL (M106082-11) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0427	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.171	"	"	"	"	"	"	
Ethylbenzene	ND	0.171	"	"	"	"	"	"	
Xylenes (total)	ND	0.342	"	"	"	"	"	"	
Naphthalene	ND	1.71	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	80.2 %	50-150							
01AMB620SL (M106082-12) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0359	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.144	"	"	"	"	"	"	
Ethylbenzene	ND	0.144	"	"	"	"	"	"	
Xylenes (total)	ND	0.288	"	"	"	"	"	"	
Naphthalene	ND	1.44	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	81.9 %	50-150							

North Creek Analytical - Mobile Lab

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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Bristol Environmental & Engineering	Project: Amchitka	
2000 W International Airport C#1	Project Number: 21090	Reported:
Anchorage, AK 99502-1116	Project Manager: Anne Kranawetter	06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMB621SL (M106082-13) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0358	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.143	"	"	"	"	"	"	
Ethylbenzene	ND	0.143	"	"	"	"	"	"	
Xylenes (total)	ND	0.286	"	"	"	"	"	"	
Naphthalene	ND	1.43	"	"	"	"	"	"	

Surr: 4-BFB 87.8 % 50-150

01AMB622SL (M106082-14) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0440	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.176	"	"	"	"	"	"	
Ethylbenzene	ND	0.176	"	"	"	"	"	"	
Xylenes (total)	ND	0.352	"	"	"	"	"	"	
Naphthalene	ND	1.76	"	"	"	"	"	"	

Surr: 4-BFB 72.4 % 50-150

01AMB623SL (M106082-15) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0394	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.157	"	"	"	"	"	"	
Ethylbenzene	ND	0.157	"	"	"	"	"	"	
Xylenes (total)	ND	0.315	"	"	"	"	"	"	
Naphthalene	ND	1.57	"	"	"	"	"	"	

Surr: 4-BFB 82.5 % 50-150

01AMB624SL (M106082-16) Soil

Sampled: 06/26/01 Received: 06/26/01

Benzene	ND	0.0435	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.174	"	"	"	"	"	"	
Ethylbenzene	ND	0.174	"	"	"	"	"	"	
Xylenes (total)	ND	0.348	"	"	"	"	"	"	
Naphthalene	ND	1.74	"	"	"	"	"	"	

Surr: 4-BFB 85.6 % 50-150

North Creek Analytical - Mobile Lab

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB625SL (M106082-17) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0434	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/27/01	0106095	
Toluene	ND	0.174	"	"	"	"	"	"	
Ethylbenzene	ND	0.174	"	"	"	"	"	"	
Xylenes (total)	ND	0.348	"	"	"	"	"	"	
Naphthalene	ND	1.74	"	"	"	"	"	"	
Surr: 4-BFB	93.5 %	50-150							
01AMB626SL (M106082-18) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0644	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.257	"	"	"	"	"	"	
Ethylbenzene	ND	0.257	"	"	"	"	"	"	
Xylenes (total)	0.693	0.515	"	"	"	"	"	"	A-02
Naphthalene	ND	2.57	"	"	"	"	"	"	
Surr: 4-BFB	87.0 %	50-150							
01AMB627SL (M106082-19) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0392	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.157	"	"	"	"	"	"	
Ethylbenzene	ND	0.157	"	"	"	"	"	"	
Xylenes (total)	ND	0.314	"	"	"	"	"	"	
Naphthalene	ND	1.57	"	"	"	"	"	"	
Surr: 4-BFB	79.7 %	50-150							
01AMB628SL (M106082-20) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0566	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.226	"	"	"	"	"	"	
Ethylbenzene	ND	0.226	"	"	"	"	"	"	
Xylenes (total)	ND	0.453	"	"	"	"	"	"	
Naphthalene	ND	2.26	"	"	"	"	"	"	
Surr: 4-BFB	86.2 %	50-150							

North Creek Analytical - Mobile Lab

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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541.383.9310 fax 541.382.7588

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Project: Amchitka
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Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB629SL (M106082-21) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0480	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.192	"	"	"	"	"	"	
Ethylbenzene	ND	0.192	"	"	"	"	"	"	
Xylenes (total)	ND	0.384	"	"	"	"	"	"	
Naphthalene	ND	1.92	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>81.1 %</i>	<i>50-150</i>							
01AMB630SL (M106082-22) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0613	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.245	"	"	"	"	"	"	
Ethylbenzene	ND	0.245	"	"	"	"	"	"	
Xylenes (total)	ND	0.490	"	"	"	"	"	"	
Naphthalene	ND	2.45	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>87.1 %</i>	<i>50-150</i>							
01AMB631SL (M106082-23) Soil					Sampled: 06/26/01 Received: 06/26/01				
Benzene	ND	0.0514	mg/kg dry	50	1B BTEX/MTI	06/27/01	06/28/01	0106095	
Toluene	ND	0.206	"	"	"	"	"	"	
Ethylbenzene	ND	0.206	"	"	"	"	"	"	
Xylenes (total)	ND	0.411	"	"	"	"	"	"	
Naphthalene	ND	2.06	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>82.2 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

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11 of 18



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Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Project: Amchitka
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Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB609SL (M106082-01) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	80.2	0.0100 % by Weight		1	Gravimetric	06/26/01	06/27/01	0106093	
01AMB610SL (M106082-02) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	78.7	0.0100 % by Weight		1	Gravimetric	06/26/01	06/27/01	0106093	
01AMB611SL (M106082-03) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	82.7	0.0100 % by Weight		1	Gravimetric	06/27/01	06/27/01	0106093	
01AMB612SL (M106082-04) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	78.1	0.0100 % by Weight		1	Gravimetric	06/27/01	06/27/01	0106093	
01AMB613SL (M106082-05) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	77.3	0.0100 % by Weight		1	Gravimetric	06/27/01	06/27/01	0106093	
01AMB614SL (M106082-06) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	79.3	0.0100 % by Weight		1	Gravimetric	06/27/01	06/27/01	0106093	
01AMB615SL (M106082-07) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	77.0	0.0100 % by Weight		1	Gravimetric	06/27/01	06/27/01	0106093	
01AMB616SL (M106082-08) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	77.8	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB617SL (M106082-09) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	80.8	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	

North Creek Analytical - Mobile Lab

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12 of 18



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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
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Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB618SL (M106082-10) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	83.4	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB619SL (M106082-11) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	79.1	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB620SL (M106082-12) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	70.0	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB621SL (M106082-13) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	74.0	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB622SL (M106082-14) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	81.6	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB623SL (M106082-15) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	76.6	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB624SL (M106082-16) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	68.3	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB625SL (M106082-17) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	80.3	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB626SL (M106082-18) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	79.4	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	

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13 of 18



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB627SL (M106082-19) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	79.0	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB628SL (M106082-20) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	74.2	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB629SL (M106082-21) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	77.5	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB630SL (M106082-22) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	73.3	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	
01AMB631SL (M106082-23) Soil					Sampled: 06/26/01 Received: 06/26/01				
% Solids	80.2	0.0100 % by Weight		1	Gravimetric	06/27/01	06/28/01	0106097	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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14 of 18



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Reported:
06/28/01 23:56

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106092 - 3545 ASE

Blank (0106092-BLK1)

Prepared: 06/26/01 Analyzed: 06/27/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 19.9 " 23.4 85.0 50-150

Surr: Triacontane 19.5 " 23.4 83.3 50-150

LCS (0106092-BS1)

Prepared: 06/26/01 Analyzed: 06/27/01

Diesel Range Organics 1240 150 mg/kg wet 1250 99.2 75-125

Surr: 1-Chlorooctadecane 18.8 " 23.4 80.3 50-150

Surr: Triacontane 19.7 " 23.4 84.2 50-150

LCS Dup (0106092-BSD1)

Prepared: 06/26/01 Analyzed: 06/27/01

Diesel Range Organics 1300 150 mg/kg wet 1250 104 75-125 4.72 20

Surr: 1-Chlorooctadecane 25.0 " 23.4 107 50-150

Surr: Triacontane 19.9 " 23.4 85.0 50-150

Matrix Spike (0106092-MS1)

Source: M106081-01

Prepared: 06/26/01 Analyzed: 06/27/01

Diesel Range Organics 1140 150 mg/kg dry 1380 ND 82.6 60-140

Surr: 1-Chlorooctadecane 29.3 " 25.9 113 50-150

Surr: Triacontane 23.0 " 25.9 88.8 50-150

Batch 0106096 - 3545 ASE

Blank (0106096-BLK1)

Prepared & Analyzed: 06/27/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 21.0 " 23.4 89.7 50-150

Surr: Triacontane 20.3 " 23.4 86.8 50-150

LCS (0106096-BS1)

Prepared & Analyzed: 06/27/01

Diesel Range Organics 1310 150 mg/kg wet 1250 105 75-125

Surr: 1-Chlorooctadecane 21.5 " 23.4 91.9 50-150

Surr: Triacontane 20.9 " 23.4 89.3 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106096 - 3545 ASE

LCS Dup (0106096-BS1)

Prepared & Analyzed: 06/27/01

Diesel Range Organics	1260	150	mg/kg wet	1250		101	75-125	3.89	20
Surr: 1-Chlorooctadecane	26.3		"	23.4		112	50-150		
Surr: Triacontane	21.0		"	23.4		89.7	50-150		

Matrix Spike (0106096-MS1)

Source: M106082-08

Prepared & Analyzed: 06/27/01

Diesel Range Organics	1240	150	mg/kg dry	1590	ND	78.0	60-140		
Surr: 1-Chlorooctadecane	32.2		"	29.8		108	50-150		
Surr: Triacontane	25.9		"	29.8		86.9	50-150		

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16 of 18



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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/28/01 23:56

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106094 - MeOH Extraction

Blank (0106094-BLK1)

Prepared & Analyzed: 06/27/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.41 " 2.50 96.4 50-150

LCS (0106094-BS1)

Prepared & Analyzed: 06/27/01

Benzene	2.17	0.0250	mg/kg wet	2.50	86.8	69-138
Toluene	2.33	0.100	"	2.50	93.2	53-151
Ethylbenzene	2.64	0.100	"	2.50	106	61-141
Xylenes (total)	7.33	0.200	"	7.50	97.7	62-141
Naphthalene	3.18	1.00	"	2.50	127	65-135

Surr: 4-BFB 2.68 " 2.50 107 50-150

Batch 0106095 - MeOH Extraction

Blank (0106095-BLK1)

Prepared: 06/27/01 Analyzed: 06/28/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.32 " 2.50 92.8 50-150

LCS (0106095-BS1)

Prepared: 06/27/01 Analyzed: 06/28/01

Benzene	1.96	0.0250	mg/kg wet	2.50	78.4	69-138
Toluene	2.17	0.100	"	2.50	86.8	53-151
Ethylbenzene	2.50	0.100	"	2.50	100	61-141
Xylenes (total)	7.06	0.200	"	7.50	94.1	62-141
Naphthalene	2.44	1.00	"	2.50	97.6	65-135

Surr: 4-BFB 2.53 " 2.50 101 50-150

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Reported:
06/28/01 23:56

Notes and Definitions

A-02 Sample result could not be confirmed by secondary detection system.

D-09 Detected hydrocarbons in the diesel range appear to be due to overlap of heavy/oil range hydrocarbons.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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18 of 18

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106082 FINAL 06 28 01 2356.mdb Default Report (not modified)
M106082-09	8021B BTEX/MTBE/N	Xylenes (total)	A-02
M106082-13	AK102 (DRO)	Diesel Range Organics	D-09
M106082-17	AK102 (DRO)	Diesel Range Organics	D-09
M106082-18	8021B BTEX/MTBE/N	Xylenes (total)	A-02